Yan-Bo Wang

List of Publications by Year
in descending order

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Version: 2024-02-01

71 papers	1,512 citations	279487 23 h-index	329751 37 g-index
71 all docs	71 docs citations	71 times ranked	552 citing authors

#	Article	IF	Citations
1	Experimental and numerical study on the behavior of axially compressed high strength steel box-columns. Engineering Structures, 2014, 58, 79-91.	2.6	104
2	The assessment of residual stresses in welded high strength steel box sections. Journal of Constructional Steel Research, 2012, 76, 93-99.	1.7	84
3	Experimental and numerical study on the behavior of axially compressed high strength steel columns with H-section. Engineering Structures, 2012, 43, 149-159.	2.6	83
4	Behavior of Q690 high-strength steel columns: Part 1: Experimental investigation. Journal of Constructional Steel Research, 2016, 123, 18-30.	1.7	73
5	Residual stress tests of welded Q690 high-strength steel box- and H-sections. Journal of Constructional Steel Research, 2015, 115, 283-289.	1.7	68
6	Residual stresses in welded flame-cut high strength steel H-sections. Journal of Constructional Steel Research, 2012, 79, 159-165.	1.7	67
7	Experimental investigation and modeling of cyclic behavior of high strength steel. Journal of Constructional Steel Research, 2015, 104, 37-48.	1.7	62
8	Behavior of single bolt bearing on high strength steel plate. Journal of Constructional Steel Research, 2017, 137, 19-30.	1.7	60
9	Experimental cyclic behavior and constitutive modeling of high strength structural steels. Construction and Building Materials, 2018, 189, 1264-1285.	3.2	59
10	Seismic behavior of high strength steel welded beam-column members. Journal of Constructional Steel Research, 2014, 102, 245-255.	1.7	50
11	Experimental study on ultra-high performance concrete under triaxial compression. Construction and Building Materials, 2020, 263, 120225.	3.2	45
12	Ultimate resistance behavior of rectangular concrete-filled tubular beam-columns made of high-strength steel. Journal of Constructional Steel Research, 2017, 133, 418-433.	1.7	40
13	Behavior of Q690 high-strength steel columns: Part 2: Parametric study and design recommendations. Journal of Constructional Steel Research, 2016, 122, 379-394.	1.7	36
14	Experimental investigation on mechanical behaviours of TMCP high strength steel. Construction and Building Materials, 2019, 200, 664-680.	3.2	35
15	Experimental study on the behavior of mismatched butt welded joints of high strength steel. Journal of Constructional Steel Research, 2019, 153, 196-208.	1.7	35
16	Ductile fracture of high strength steel under multi-axial loading. Engineering Structures, 2020, 210, 110401.	2.6	35
17	Bearing behavior of multi-bolt high strength steel connections. Engineering Structures, 2020, 212, 110510.	2.6	34
18	Constitutive model for confined ultra-high strength concrete in steel tube. Construction and Building Materials, 2016, 126, 812-822.	3.2	33

#	ARTICLE	IF	CITATIONS
19	Experimental investigation on cyclic behavior of Q690D high strength steel H-section beam-columns about strong axis. Engineering Structures, 2019, 189, 157-173.	2.6	33
20	Effects of coarse aggregates on physical and mechanical properties of C170/185 ultra-high strength concrete and compressive behaviour of CFST columns. Construction and Building Materials, 2020, 240, 117967.	3.2	31
21	Numerical analysis on the ultimate bearing resistance of single-bolt connection with high strength steels. Journal of Constructional Steel Research, 2019, 153, 118-129.	1.7	28
22	Bearing-strength of high strength steel plates in two-bolt connections. Journal of Constructional Steel Research, 2019, 155, 205-218.	1.7	25
23	A reexamination of high strength steel yield criterion. Construction and Building Materials, 2020, 230, 116945.	3.2	24
24	Experimental and numerical investigations of Q690D H-section columns under lateral cyclic loading. Journal of Constructional Steel Research, 2016, 121, 268-281.	1.7	23
25	Simplified method to identify full von Mises stress-strain curve of structural metals. Journal of Constructional Steel Research, 2021, 181, 106624.	1.7	20
26	Bending behavior of splice connection for corner-supported steel modular buildings. Engineering Structures, 2022, 250, 113460.	2.6	19
27	Application of seismic resilient energy-dissipative rocking columns with HSS tension braces in steel frames. Engineering Structures, 2022, 253, 113812.	2.6	19
28	Evaluation and prediction of cyclic response of Q690D steel. Proceedings of the Institution of Civil Engineers: Structures and Buildings, 2017, 170, 788-803.	0.4	18
29	Use of energy-dissipative rocking columns to enhance seismic performance of buckling-restrained braced frames. Journal of Constructional Steel Research, 2019, 159, 548-559.	1.7	17
30	Slip factors of high strength steels with shot blasted surface. Journal of Constructional Steel Research, 2019, 157, 10-18.	1.7	15
31	A new constitutive model for high strength structural steels. Journal of Constructional Steel Research, 2021, 182, 106646.	1.7	15
32	Mechanical behavior of transverse fillet welded joints of high strength steel using digital image correlation techniques. Journal of Constructional Steel Research, 2019, 162, 105710.	1.7	13
33	Strength model for mismatched butt welded joints of high strength steel. Journal of Constructional Steel Research, 2018, 150, 514-527.	1.7	12
34	Seismic performance improvement of tension-only-braced frames with Energy-Dissipative Rocking Columns. Engineering Structures, 2019, 196, 109286.	2.6	11
35	Mechanical properties of mismatched high strength steel butt joints with three softened/hardened strength distribution patterns. Thin-Walled Structures, 2020, 146, 106456.	2.7	11
36	Experimental and numerical study of beam-through energy-dissipative rocking columns for mitigating seismic responses. Journal of Constructional Steel Research, 2022, 189, 107097.	1.7	11

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37	Moment resistance of blind-bolted SHS column splice joint subjected to eccentric compression. Thin-Walled Structures, 2019, 141, 184-193.	2.7	10
38	Numerical investigation on cyclic behavior of Q690 high strength steel beam-columns. Journal of Constructional Steel Research, 2020, 167, 105814.	1.7	10
39	Fracture behavior of high-strength steels at elevated temperatures. Journal of Constructional Steel Research, 2020, 175, 106385.	1.7	10
40	Behavior-Based Resistance Model for Bearing-Type Connection in High-Strength Steels. Journal of Structural Engineering, 2020, 146, .	1.7	10
41	Mechanical behaviour of longitudinal lap-welded joints of high strength steel: Experimental and numerical analysis. Thin-Walled Structures, 2021, 159, 107286.	2.7	10
42	Analysis of fracture behavior of high-strength steels in tension after fire exposure. Engineering Structures, 2021, 231, 111750.	2.6	10
43	Experimental and numerical investigation on flexural-torsional buckling of Q460 steel beams. Journal of Constructional Steel Research, 2020, 174, 106276.	1.7	9
44	Experimental study on seismic performance of RC frames with Energy-Dissipative Rocking Column system. Engineering Structures, 2019, 194, 406-419.	2.6	8
45	Slip factor between shot blasted mild steel and high strength steel surfaces. Journal of Constructional Steel Research, 2020, 168, 105969.	1.7	8
46	Experimental Study of Ultra-High-Strength Concrete under Triaxial Compression. ACI Materials Journal, 2016, 113, .	0.3	8
47	Constitutive model for cyclic behavior of mild steel under various strain amplitudes. Journal of Constructional Steel Research, 2022, 196, 107396.	1.7	8
48	Slip factor of high strength steel with inorganic zinc-rich coating. Thin-Walled Structures, 2020, 148, 106595.	2.7	7
49	A fast calibration approach of modified Chaboche hardening rule for low yield point steel, mild steel and high strength steels. Journal of Building Engineering, 2021, 38, 102168.	1.6	7
50	Effect of bolt pre-tension on the bearing behavior of high strength steel connections. Engineering Structures, 2021, 241, 112491.	2.6	7
51	Experimental Research on Fatigue Performance of Corroded Q690 High-Strength Steel. Journal of Materials in Civil Engineering, 2021, 33, .	1.3	7
52	Q460C welded box-section columns under eccentric compression. Proceedings of the Institution of Civil Engineers: Structures and Buildings, 2018, 171, 611-624.	0.4	5
53	State-of-the-art on resistance of bearing-type bolted connections in high strength steel. Frontiers of Structural and Civil Engineering, 2020, 14, 569-585.	1.2	5
54	Hysteretic model of Q690 high-strength steel beam-columns considering cyclic deterioration. Journal of Constructional Steel Research, 2020, 172, 106158.	1.7	5

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55	Experimental and numerical study on strength of high-strength steel double-V butt-welded joint. Journal of Constructional Steel Research, 2022, 196, 107397.	1.7	5
56	Local buckling and hysteretic behavior of thin-walled Q690 high-strength steel H-section beam-columns. Engineering Structures, 2022, 252, 113729.	2.6	3
57	Theoretical investigations on loadâ€bearing capacity of RC flatâ€plate framed structures subject to middle column loss. Structural Design of Tall and Special Buildings, 2018, 27, e1458.	0.9	2
58	Experimental study on seismic performance of ultrahigh-strength steel frames with buckling-restrained braces. Archives of Civil and Mechanical Engineering, 2021, 21, 1.	1.9	2
59	Buckling analysis and experimental study of simply-supported single-corrugation steel plates subjected to compression. Thin-Walled Structures, 2022, 172, 108850.	2.7	2
60	Experimental study on demountable steel ultra-high performance concrete composite slabs under hogging moment. Archives of Civil and Mechanical Engineering, 2022, 22, .	1.9	2
61	Application of self-centring hybrid rocking columns in steel frames. Journal of Constructional Steel Research, 2022, 195, 107349.	1.7	2
62	Experimental study on the strength and fracture behaviour of fillet welded joints made of high strength steel under multiple loading angles. Thin-Walled Structures, 2021, 169, 108295.	2.7	1
63	Behavior and design of high-strength steel members under bending moment. , 2021, , 271-304.		1
64	08.05: Design of high strength concrete filled tubular columns. Ce/Papers, 2017, 1, 1869-1878.	0.1	0
65	01.08: Bolted bearing connection with high strength steel and grade 12.9 bolt. Ce/Papers, 2017, 1, 225-233.	0.1	0
66	Hysteretic behavior of high strength steels under cyclic loading. , 2021, , 63-92.		0
67	Bolted connections. , 2021, , 493-564.		0
68	Uniform material model for constructional steel. , 2021, , 93-151.		0
69	Hysteretic behavior of high-strength steel columns. , 2021, , 357-412.		0
70	Welded connections. , 2021, , 565-612.		0
71	Behavior and design of high-strength steel members under compression. , 2021, , 207-270.		0